We claim:

1. A method of reading data on an optical disc having a first side and a second side, each side including a lead-in and a lead-out area, comprising:

rotating the disc; and

reading data from the lead-in area of said first side to the lead-out area of said first side; and

reading data from the lead-in area of said second side to the lead-out area of said first second side, without stopping the disc.

- 2. The method of claim 1 wherein the disc has a hub and a periphery and each side has a top layer and a bottom layer and a middle area, further comprising reading data with a laser head and refocusing said laser head in said middle area between said top and said bottom layers.
- 3. The method of claim 2 wherein said lead-in area and lead-out area are disposed at the hub.
- 4. The method of claim 2 wherein said lead-in area and lead-out area are disposed at said periphery.
- 5. The method of claim 2 wherein said lead-in area is on said top layer and said lead-out area is on said bottom layer.

- 6. The method of claim 2 wherein said lead-in area is on said bottom layer and said lead-out area is on said top layer.
- 7. The method of claim 2 wherein the lead-in area on one side is on the top layer and the lead in area on the other side is on the bottom layer.
- 8. A method of reading data from an optical disc comprising:

 providing an optical disc with a hub and a periphery, a first side and a second side, each side having a top layer and a bottom layer and lead-in area, a lead-out area and a middle area:

reading data from said first side from said lead-in to said lead-out area; switching to said second side without turning the disc over; and reading data from said second side from said lead-in to said lead-out area.

- 9. The method of claim 8 further comprising reading data with a reading head and refocusing said reading head at said middle area to switch between said top and bottom layers.
- 10. The method of claim 9 further comprising reading the top layer before reading the bottom layer.
 - 11. The method of claim 9 further comprising reading the bottom layer

before reading the top layer.

- 12. The method of claim 9 further comprising reading the top layer on the first side and reading the bottom layer on the second side.
- 13. A method of reading data from an optical disc comprising:

 providing an optical disc with a hub and a periphery, a first side and a
 second side, said top side having a top layer A0 and a bottom layer A1 and said second
 side having a top layer B0 and a bottom layer B1 and lead-in area, a lead-out area and
 a middle area;

reading data from said first side;
switching to said second side without turning the disc over; and
reading data from said second side.

- 14. The method of claim 13 further comprising reading data from the layers in the sequence A0-A1-B1-B0.
- 15. The method of claim 13 further comprising reading data from the layers in the sequence A1-A0-B1-B0.
- 16. The method of claim 13 further comprising reading data from the layers in the sequence A1-A0-B1-B0.

- 17. The method of claim 13 further comprising reading data from the layers in the sequence A1-A0-B0-B1.
- 18. The method of claim 13 further comprising reading data from the layers in the sequence A0-A1-B-B0.
- 19. The method of claim 13 further comprising reading data from the layers in the sequence A0-B0-B1-A1.
- 20. The method of claim 13 further comprising reading data from a lead-in area disposed at the hub to a lead-out area disposed at the hub.
- 21. The method of claim 13 further comprising reading data from a lead-in area disposed at the periphery to a lead-out area disposed at the periphery.
- 22. The method of claim 13 further comprising reading data from said first side using a first laser head and reading data from said second side using a second laser head.
- 23. The method of claim 22 further comprising reading data from the layers in the sequence A0-A1-B0-B1.

- 24. The method of claim 22 further comprising reading data from the layers in the sequence A0-B0-A1-B1.
- 25. The method of claim 13 further comprising reading data from said first side using a laser head, switching said laser head to the second side.
- 26. The method of claim 25 further comprising switching said laser head from one side to another without stopping the rotation of the disc.